

Abstract

The present invention relates to microbial trypsin variants having chymotrypsin-like activity, comprising: (a) a one or more substitutions corresponding to positions 144, S193A, 198, 201, 218, 223, 227, 228, 229, 230, and 231 of amino acids 25 to 248 of SEQ ID NO: 2, (b) one or more deletions corresponding to positions 192, 197, and 226 of amino acids 25 to 248 of SEQ ID NO: 2; and (c) an insertion between positions corresponding to positions 224 and 225 of amino acids 25 to 248 of SEQ ID NO: 2. The present invention further relates to nucleotide sequences encoding microbial trypsin variants having chymotrypsin-like activity; nucleic acid constructs, expression vectors, and recombinant host cells comprising such nucleotide sequences; and methods of producing microbial trypsin variants having chymotrypsin-like activity or a precursor thereof.